

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tang et al.) I hereby certify that this paper is
Serial No.: 10/726,828	being deposited with the UnitedStates Postal Service with
Filed: December 3, 2003) sufficient postage as first class) mail in an envelope addressed to:
Assignee: Intel Corporation	Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-
For: METHODS AND APPARATUS FOR) 1450 on this date:
PERFORMING CALCULATIONS USING REDUCED-WIDTH DATA) January 15, 2004
Group Art Unit: Unknown) Mark G. Hanley
Examiner: Unknown	Registration No. 44,736Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir or Madam:

The patents and/or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 CFR §§ 1.56, 1.97, and 1.98. Copies of the patents or publications are enclosed.

TIME OF FILING

This information disclosure statement is being filed to the best of the undersigned's knowledge, before the mailing date of a first Office action on the merits. In accordance with 37 CFR §1.97(b), no certification or fee is required.

PRIOR AND RELATED APPLICATIONS

The examiner is respectfully made aware of the following co-pending application which contains subject matter related to this application:

Applicant(s):

Tang et al.

Serial No.

10/648,500

Filing Date:

August 26, 2003

Title:

METHODS AND APPARATUS FOR DETERMINING APPROXIMATING POLYNOMIALS USING INSTRUCTION-

EMBEDDED COEFFICIENTS

Status:

Filed

METHOD OF PAYMENT

No fee is required.

The Commissioner is authorized to charge any fee deficiency required by this paper, or credit any overpayment, to Deposit Account No. 50-2455. A copy of this paper is enclosed.

Correspondence Address:

Respectfully submitted,

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January 15, 2004

Attorneys for Intel Corporation

Form PTO-1449 (Modified)



U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No. INTEL/18111

Applicants

Serial No.

10/726,828

INFORMATION DISCUSSIVE STATEMENT

(Use several sheets if necessary)

Tang et al.

Filing Date Group Art Unit
12/3/2003 Unknown

		U.S. PATEN	NT DOCUMENT	S		
*EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

	I	OREIGN PA	TENT DOCU	MENTS			
*Examiner Initials	Document Number	Publication Date	Country	Class	Subclass	Transla Yes	tion No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
M.J.D. Powell. "Approximation Theory and Methods." Cambridge University Press, May, 1981. Pages 85-95. ISBN: 0521295149.
"IEEE Standard for Floating-point Arithmetic." ANSI/IEEE Standard 754-1985. Published by The Institute of Electrical and Electronics Engineers, Inc., New York, New York. 1985.
Ping Tak Peter Tang. "Table-lookup Algorithms for Elementary Functions and Their Error Analysis." Proceedings of the 10 th Symposium on Computer Architecture, pages 232-236. Grenoble, 1991.
Cornea-Hasegan, M; Norin B. "IA-64 Floating-poing Operations and the IEEE Standard for Binary Floating-point Arithmetic." Intel Technology Journal Q4, 1999.
http://www.intel.com/technology/itj/q41999/pdf/ia64fpbf.pdf.

EXAMINER

DATE CONSIDERED

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.